JS, Browsers and Geography on Wikipedia.org Portal

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Discovery Product and Analytics

Background

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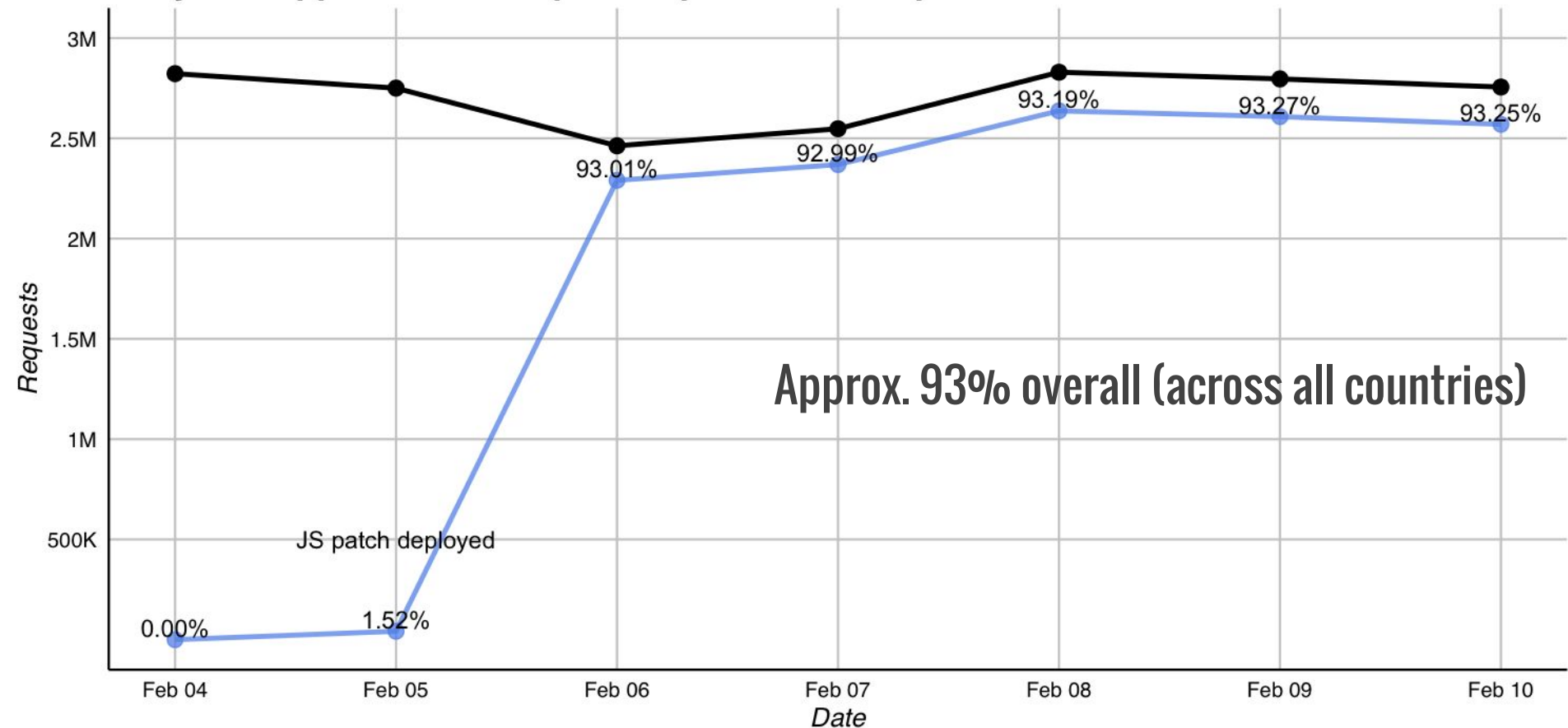- Some of our coolest ideas *(and current code)* for the Wikipedia Portal rely heavily on JavaScript

  e.g.

- All the JavaScript (JS) that was used previously on the Portal was source code ("inline")

- We deployed a patch on 5 Feb 2016 to move all inline JS into a separate, trackable file

- We used the Wikipedia Wordmark (WIKIPEDIA) as reference point for analysis

- These findings cover web request logs from 5 Feb 2016 to 10 Feb 2016

  - *To track how many visitors downloaded the JS file and how many viewed the Wordmark image*

What % of Wikipedia.org Portal visitors browsers support JavaScript?

Daily JS support from sampled requests on Wikipedia Portal
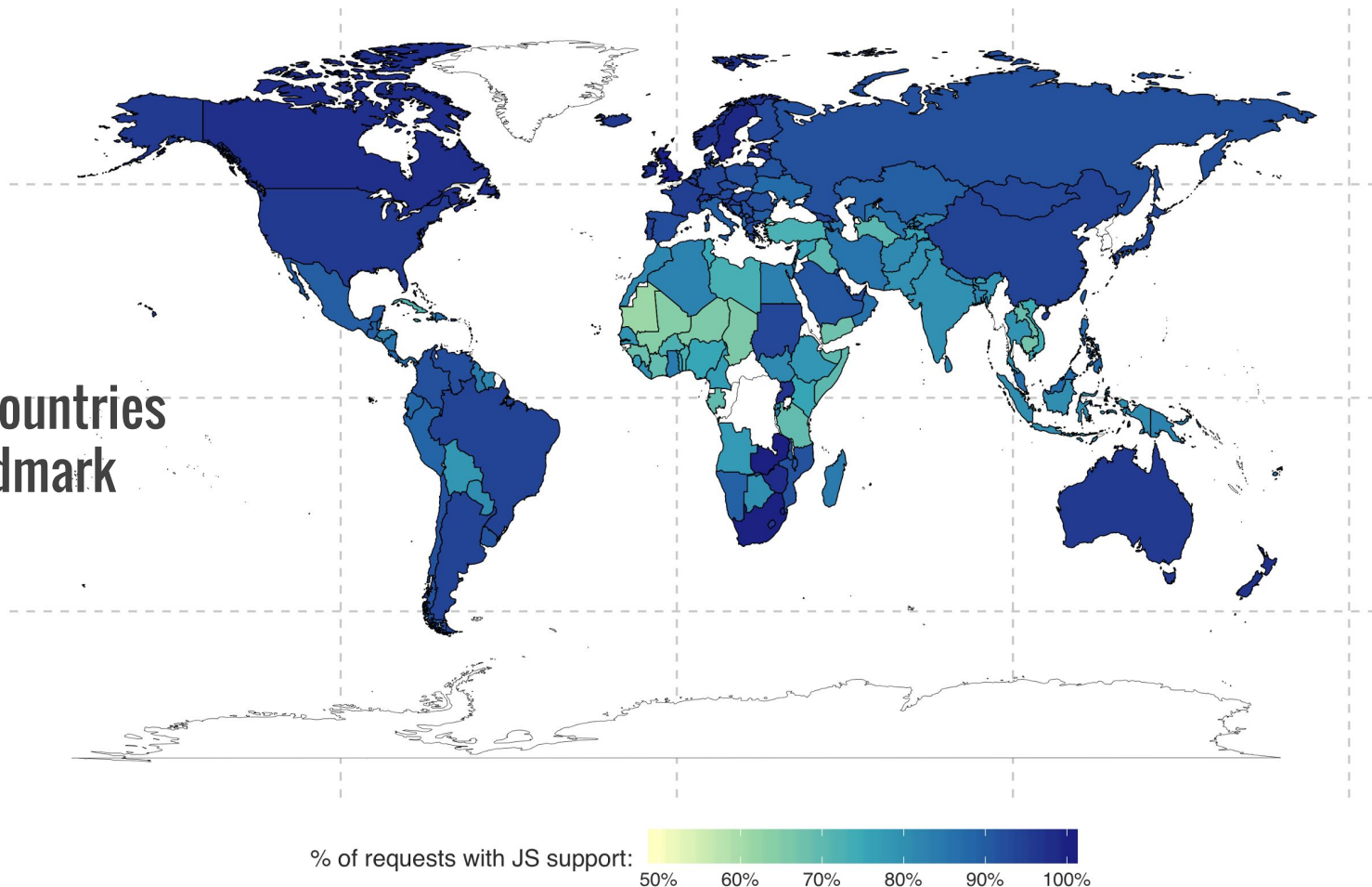

Approx. 93% overall (across all countries)

0.00%
1.52%
JS patch deployed
93.01%
92.99%
93.19%
93.27%
93.25%

Requests

Feb 04   Feb 05   Feb 06   Feb 07   Feb 08   Feb 09   Feb 10

Date

JavaScript (JS) Support

— — —

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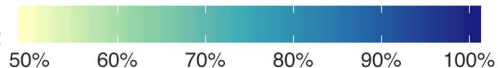|	Min %	25th Percentile	Average %	Median %	75th Percentile	99th Percentile
	50.00%	81.09%	86.53%	88.35%	93.77%	100.00%

- Overall, 93% of the Wikipedia.org Portal browser requests support JS
  - USA accounts for 45% of the total traffic (with 95% JS browser support)

- 14 of 17 (82%) of the browsers surveyed had more than 93% JS support
  - In other words: less than 7% of those browsers' users had purposely turned off JS
  - Reasons for turning off JS include privacy / tracking concerns and bandwidth conservation
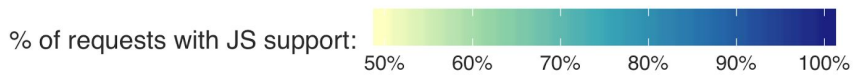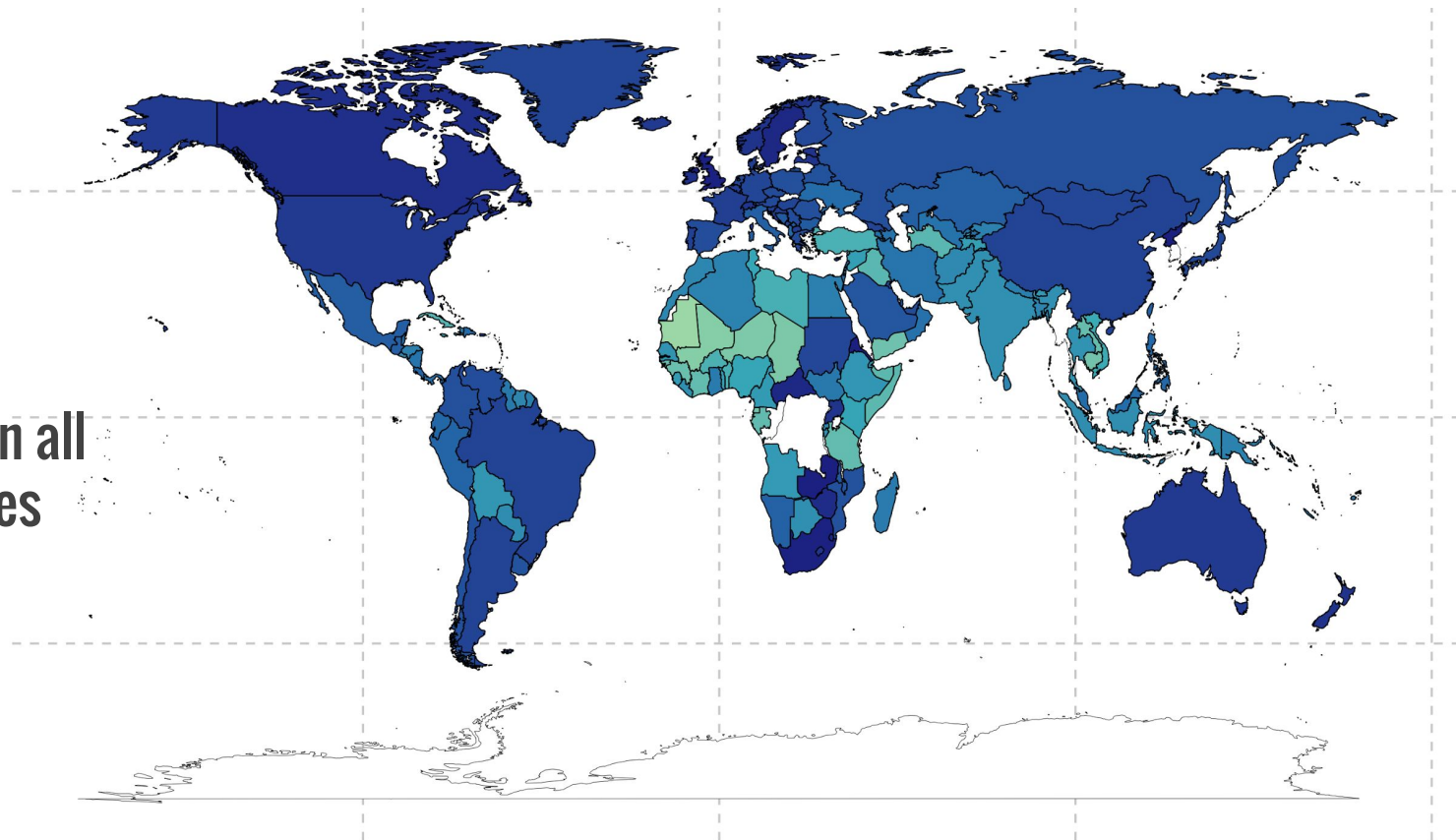
JS support in countries with >100 Wordmark requests

% of requests with JS support:
50% 60% 70% 80% 90% 100%

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JS support in all
235 countries

% of requests with JS support:
50% 60% 70% 80% 90% 100%
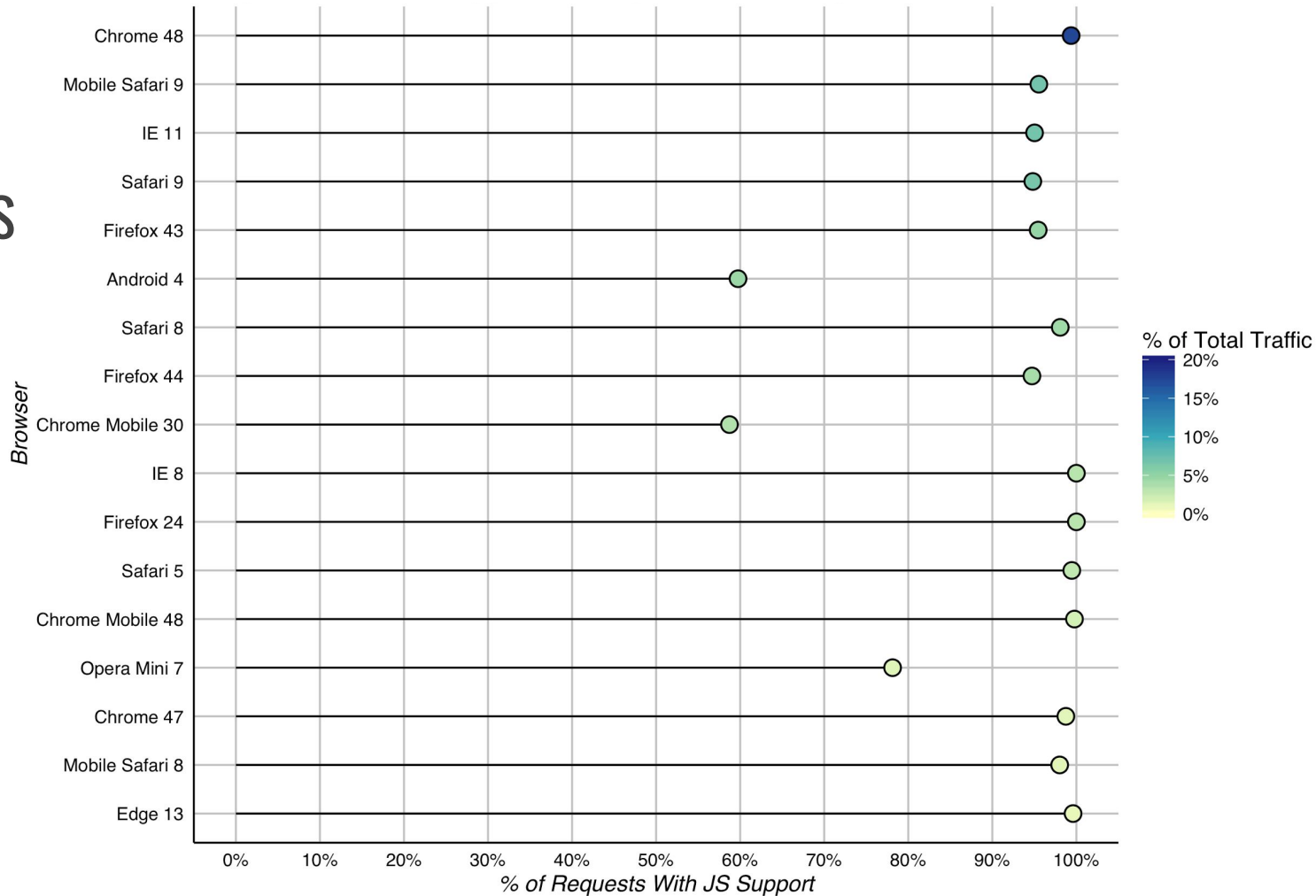
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Which browsers do Wikipedia.org Portal users use the most frequently?

Proportion of JS support in top browsers
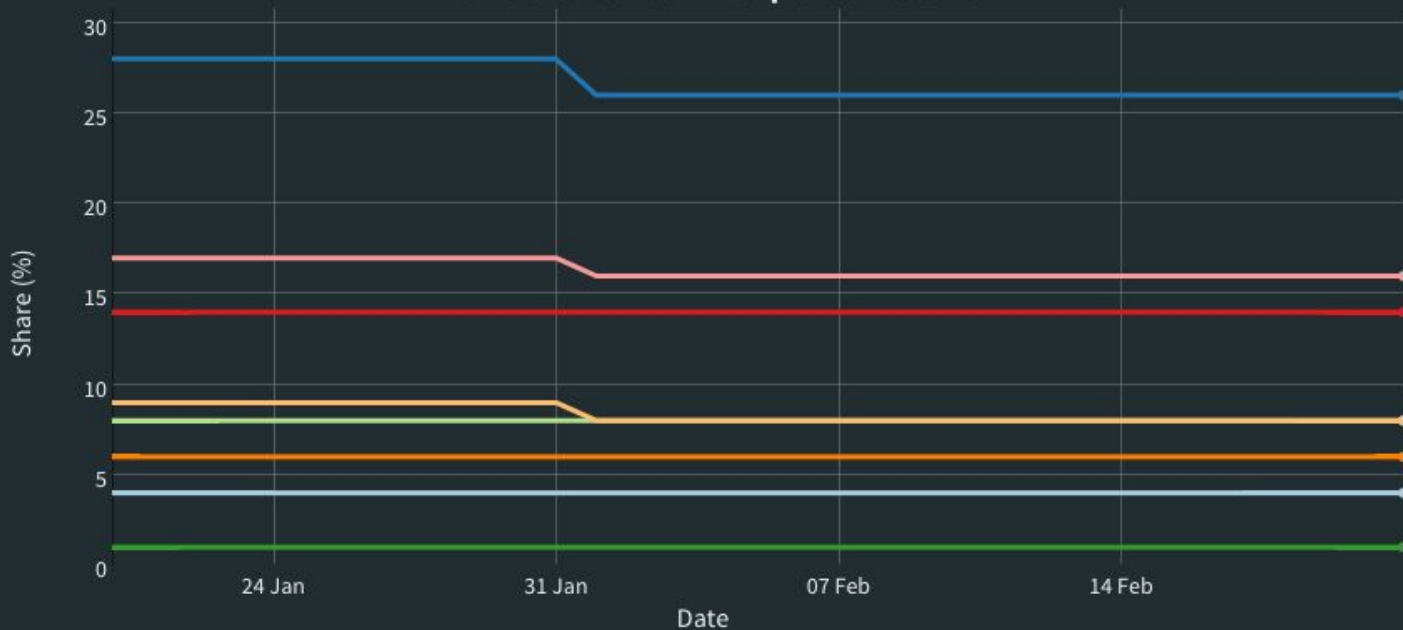
Sort

By popularity growth rate ▼

Filter

IE, firefox

Case insensitive & accepts comma-separated input.

☑ Group browser versions

Browser

Chrome Mobile
Android
Chrome Mobile iOS
Mobile Safari
Safari
IE Mobile
Edge
Chrome
Opera
IE
Firefox
Opera Mobile
PhantomJS

Smoothing

Monthly Median ▼

Browser breakdown of portal visitors

Feb, 21, 2016: Android (Monthly average): 4 Chrome (Monthly average): 26 Chrome Mobile (Monthly average): 8 Edge (Monthly average): 1 Firefox (Monthly average): 16 IE (Monthly average): 14 Mobile Safari (Monthly average): 8 Safari (Monthly average): 6

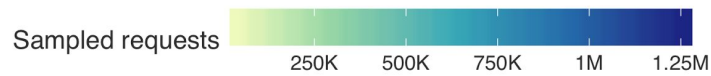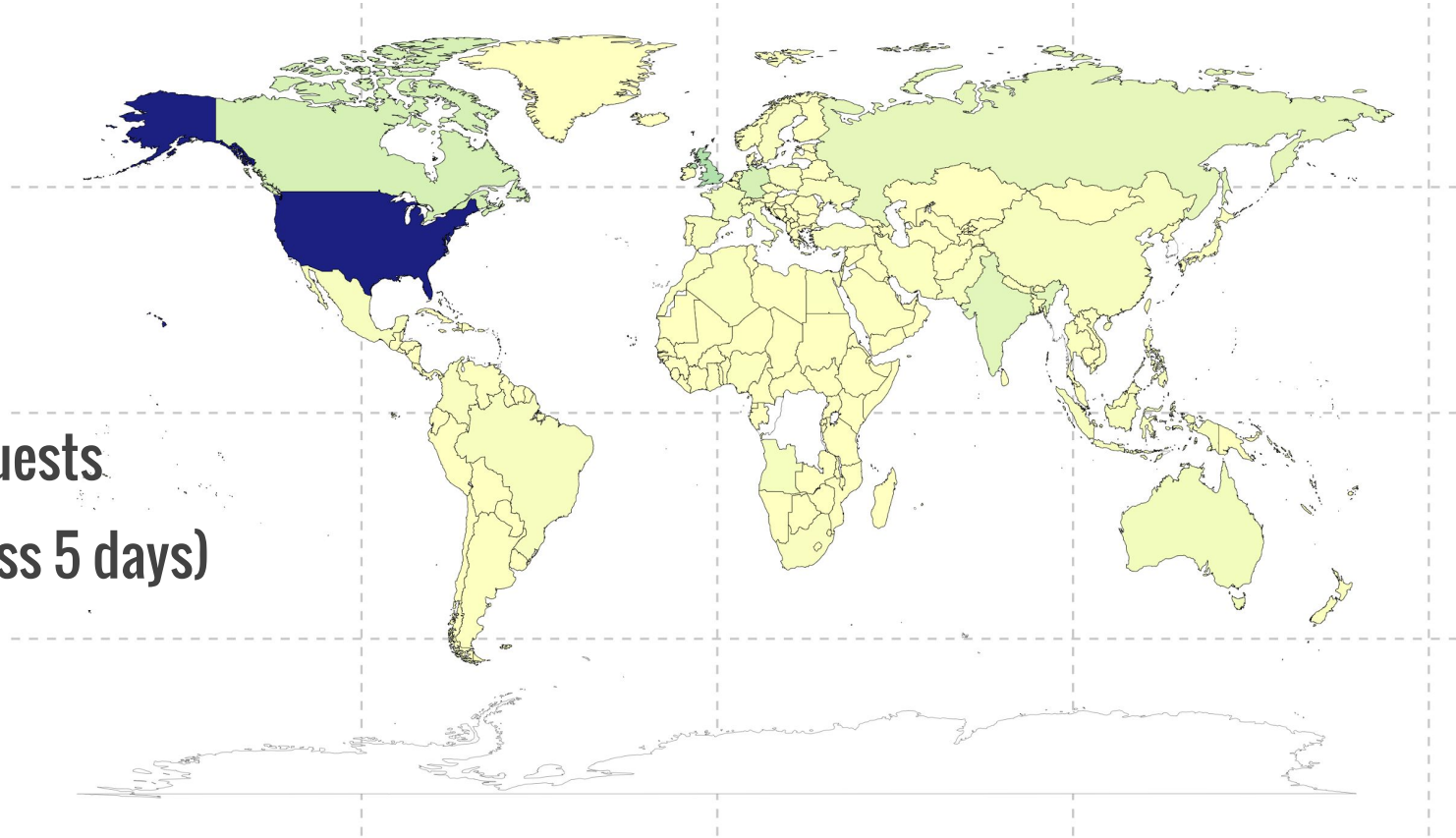Wikimedia Foundation / Discovery Department

What countries do our Wikipedia.org Portal visitors come from the most?

Country	Wordmark Requests	JS Requests	% of Total	Approximate % with JS support (JS/Wordmark)
United States	1.26M	1.22M	45.41%	96.15%
United Kingdom	218.67K	220.41K	7.86%	100.00%
Germany	118.16K	110.5K	4.25%	93.52%
Canada	116.68K	114.08K	4.19%	97.77%
India	81.98K	64.59K	2.95%	78.79%
Russia	69.02K	63.16K	2.48%	91.51%
France	37.47K	35.5K	1.35%	94.72%
Australia	37.05K	35.51K	1.33%	95.84%
Italy	27.51K	24.56K	0.99%	89.26%
Angola	26.84K	20.78K	0.96%	77.42%
Spain	25.89K	23.75K	0.93%	91.75%

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Top 11 countries, ordered by wordmark requests

Sampled requests

(median across 5 days)

Sampled requests   250K   500K   750K   1M   1.25M

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Sampled requests

- Excluding US traffic (45%)
- Median across 5 days

Sampled requests
50K   100K   150K   200K

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Questions?

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